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EBF1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54730

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9UH73
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64464
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human EBF1
Epitope Specificity	75-170/591
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus (Potential).
SIMILARITY	Belongs to the COE family. Contains 1 IPT/TIG domain.
SUBUNIT	Forms either a homodimer or a heterodimer with a related family member (By similarity). Interacts with ZNF423 and ZNF521, leading to prevent EBF1 to bind DNA and activate target genes.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Transcriptional activator which recognizes variations of the palindromic sequence 5'-ATTCCCNNGGGAATT-3'.

Additional Information

Gene ID	1879
Other Names	Transcription factor COE1, O/E-1, OE-1, Early B-cell factor, EBF1, COE1, EBF
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	EBF1
Synonyms	COE1, EBF
Function	Key pioneer transcription factor of B-cell specification and commitment (PubMed:27807034). Recognizes variations of the palindromic sequence 5'-ATTCCCNNGGGAATT-3'. Operates in a transcription factor network to activate B-cell-specific genes and repress genes associated with alternative cell fates. For instance, positively regulates many B- cell specific genes including BCR or CD40 while repressing genes that direct cells into alternative lineages, including GATA3 and TCF7 for the T-cell lineage. In addition to its role during lymphopoiesis, controls the thermogenic gene program in adipocytes during development and in response to environmental cold (By similarity).
Cellular Location	Nucleus.